

CLAIMS

1. An assembly unit for a toy comprising a first part unit having a rotating member rotating about a rotating shaft provided to a body thereof, a second part unit, and a connecting mechanism constituted of an engaging section provided at the first part unit and a engaged section provided at the second part unit having such a structure that the engaging section detachably engages therewith,

the rotating member being provided with the engaging section and a necessary member, which constitutes a necessary part of the first part unit when the first part unit is not connected to the second part unit, and

the first part unit being structured so that the rotating member is selectively rotatable about the rotating shaft between a first position, where the necessary member is received in the body and the engaging section is exposed to the outside of the body when the first part unit and the second part unit are connected to each other, and a second position, where the engaging section is received in the body and the necessary member is exposed to the outside of the body when the first part unit is not connected to the second part unit.

2. The assembly unit for a toy according to claim 1, wherein the engaging section is either one of an engaging portion having a convex part and an engaging portion having

a concave part that detachably engages with the engaging portion having the convex part, and the engaged section is the other one of the engaging portion having the convex part and the engaging portion having the concave part.

3. The assembly unit for a toy according to claim 2, wherein the engaging portion having the convex part comprises a base provided to the rotating member, a plate-like portion formed integrally with the base extending in the direction in which the plate-like portion extends away from the base, and an engaging - expanding portion formed integrally with the plate-like portion along the end of the plate-like portion,

wherein the engaging portion having the concave part comprises a pair of flexible wall portions, which are spaced at a predetermined distance and sandwich the plate-like portion and the engaging-expanding portion therebetween, and along the end thereof, formed integrally with an engaged - expanding portion respectively the engaging - expanding portions preventing the engaging - expanding portion from coming off therebetween, and

wherein, the engaging portion having the convex part further comprises a reinforcement portion disposed for connecting the base and the plate-like portion to reinforce the plate-like portion, the reinforcement portion being provided so as to allow the plate-like portion and the

engaging - expanding portion to be inserted between the pair of wall portions of the engaging portion having the concave part.

4. The assembly unit for a toy according to claim 1, wherein the body has a hollow structure which includes a receiving space therein for receiving the necessary member or the engaging section, and

    a peripheral wall portion surrounding the receiving space of the body is structured so as to allow the rotating member to change its position between the first position and the second position about the rotating shaft.

5. The assembly unit for a toy according to claim 4, wherein a part of the peripheral wall portion is constructed from a door member that is opened at least in one of the cases that the rotating member rotates from the first position to the second position about the rotating shaft and that the rotating member rotates from the second position to the first position about the rotating shaft to allow the rotating member to rotate.

6. A transformable toy including a toy assembly unit set forth in any one of claims 1 to 5 as a part for transforming its figure.

7. A transformable toy including the first part unit of the toy assembly unit set forth in any one of the claims 1 to 5 as a basic portion.

8. A transformable toy, comprising a plurality of part units each constructed being connected to each other via a connecting mechanism including an engaging section and an engaged section having a structure to be engaged with the engaging section, which transforms its figure by changing the connecting combination of the plurality of part units, by replacing a part of the plurality of part units with previously prepared other part unit using the connecting mechanism or by adding the previously prepared other part unit to the plurality of part units using the connecting mechanism,

one of the plurality of part units connected via the connecting mechanism including a rotating member having a necessary member constituting a portion necessary for the one of the part units when the one of the part units is not connected to other part unit, a rotating member rotating about a rotating shaft provided to a body of the one of the part unit,

the rotating member being provided with the engaging section, and

the one of the part units being structured so that the rotating member is selectively rotatable about the

rotating shaft between a first position, where the necessary member is received in the body and the engaging section is exposed to the outside of the body when the one of the part units and the other part unit are connected to each other, and a second position, where the engaging section is received in the body and the necessary member is exposed to the outside of the body when the one of the part units is not connected to the other part unit..

9. The transformable toy according to claim 8, wherein the one part unit itself constitutes an arm part, and wherein the necessary member is the hand.

10. The transformable toy according to claim 8, wherein the engaging section is either one of an engaging portion having a convex part and an engaging portion having a concave part that detachably engages with the engaging portion having the convex part, and the engaged section is the other one of the engaging portion having the convex part and the engaging portion having the concave part,

wherein the engaging portion having the convex part comprises a base provided to the rotating member, a plate-like portion formed integrally with the base extending in the direction in which the plate-like portion extends away from the base, and an engaging - expanding

portion formed integrally with the plate-like portion along the end of the plate-like portion,

wherein the engaging portion having the concave part comprises a pair of flexible wall portions, which are spaced at a predetermined distance and sandwich the plate-like portion and the engaging-expanding portion therebetween, and along the end portion thereof, formed integrally with an engaged - expanding portion respectively the engaging - expanding portions preventing the engaging - expanding portion from coming off therebetween, and

wherein, the engaging portion having the convex part further comprises, a reinforcement portion disposed for connecting the base and the plate-like portion to reinforce the plate-like portion, the reinforcement portion being provided so as to allow the plate-like portion and the engaging - expanding portion to be inserted between the pair of wall portions of the engaging portion having the concave part.